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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/798,851	03/12/2004	Takashi Ono	19546.0044	6691

7590 06/30/2005

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EXAMINER

NGUYEN, THU V

ART UNIT PAPER NUMBER

3661

DATE MAILED: 06/30/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/798,851

Applicant(s)

ONO ET AL.

Examiner

Thu Nguyen

Art Unit

3661

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 12 March 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Specification*

1. Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited.

### *Claim Rejections - 35 USC § 103*

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Machida et al (US 2001/0027375) in view of Creemer (US 6,795,710).

As per claim 1, Machida teaches a system for providing area information. The system comprises: a first information processing means 600 (fig.1) for transmitting an area specific information (para 0055); a second information processing device 100 (fig.1). The first information processing device comprises: a storage unit storing information specific information (road data, etc.) and the location information (latitude and longitude coordinate) (para 0038); an extraction unit extracting an item of area information specific to the mode of user transportation

(para 0055); a transmission unit (para 0055); and the second information processing devices comprises a receiving unit for receiving the area information (para 0056). Machida does not explicitly disclose an inference unit. However, Creemer teaches an inference unit for inferring a mode of user transportation based on location information of a user (col.10, lines 26-52). It would have been obvious to a person of ordinary skill in the art at the time the invention was made to implement the inference unit taught by Creemer to the system taught by Machida in order to automatically determining the mode of transportation without asking the user to manually input the data.

As per claim 2-5, Creemer teaches inferring the mode of transportation based on historical data (col.10, lines 66-67; col.11, lines 1-18). Moreover storing schedule information in a mobile unit would have been well known; furthermore, it would have been known that past schedule information can be used as the historical data, using schedule information in the past in historical data would have been obvious.

As per claim 6-15, refer to claims 1-5 above. Furthermore, using computer readable medium for storing a computer algorithm for performing a method would have been well known.

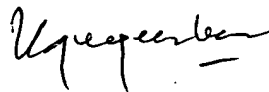
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thu Nguyen whose telephone number is (571) 272-6967. The examiner can normally be reached on T-F (7:30-6:00).

Art Unit: 3661

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Black can be reached on (571) 272-6956. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

June 25, 2005



**THU V. NGUYEN**  
**PRIMARY EXAMINER**

Fig. 1

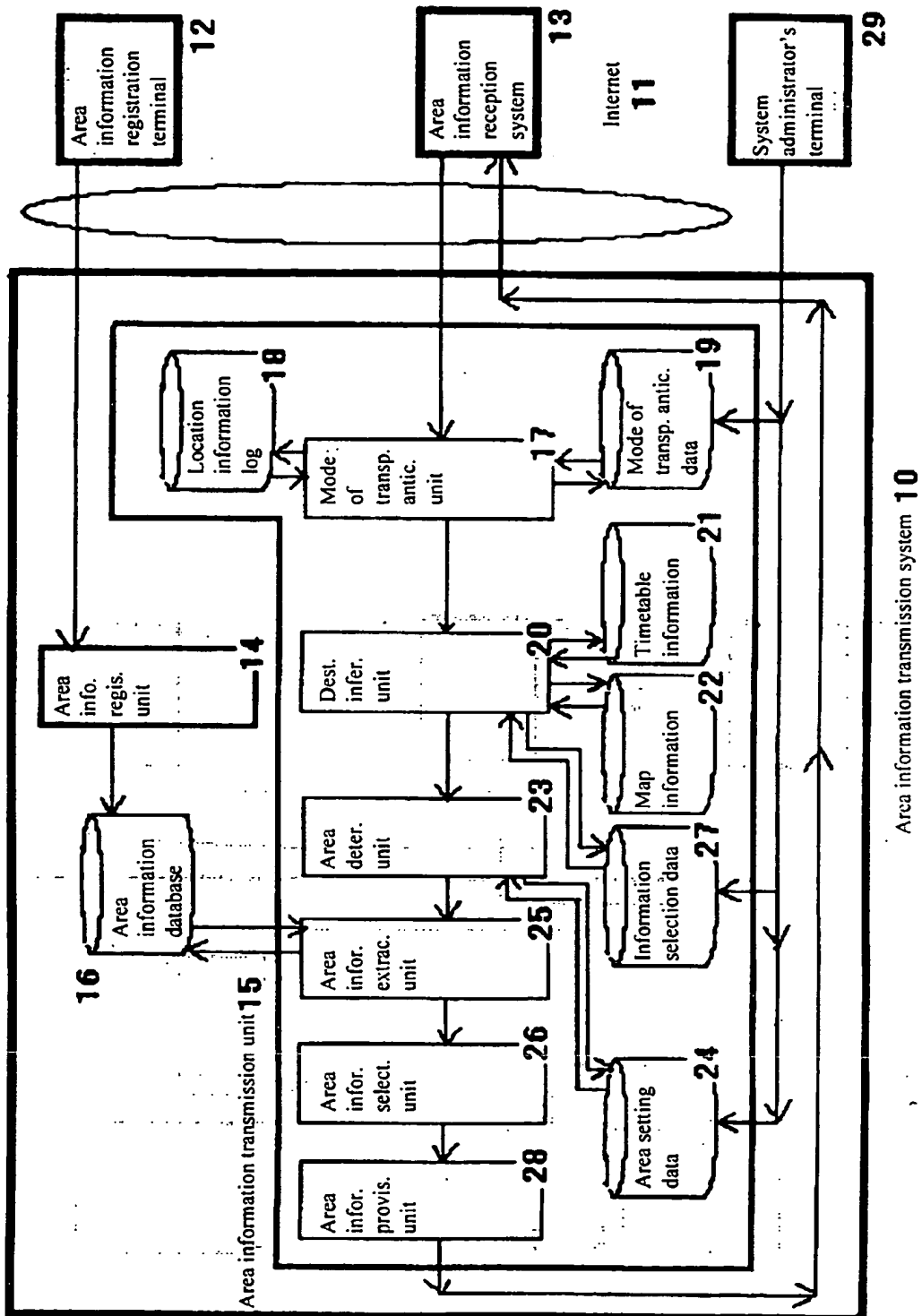


Fig. 2

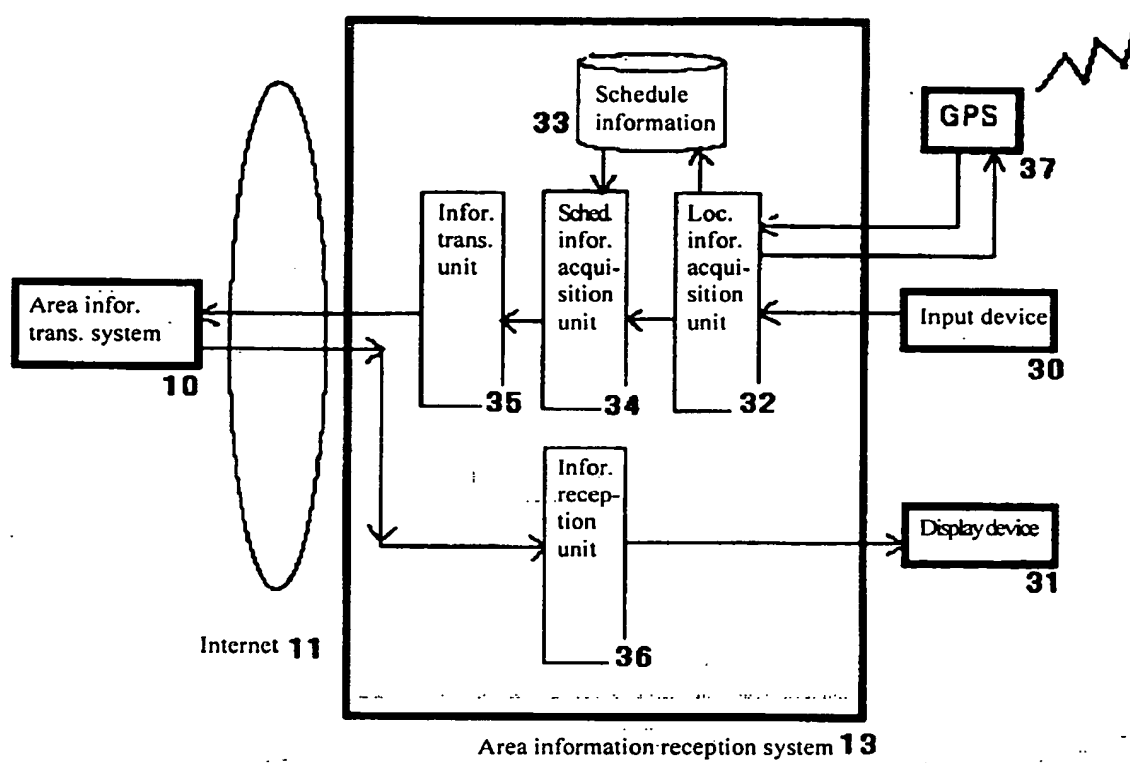


Fig. 3

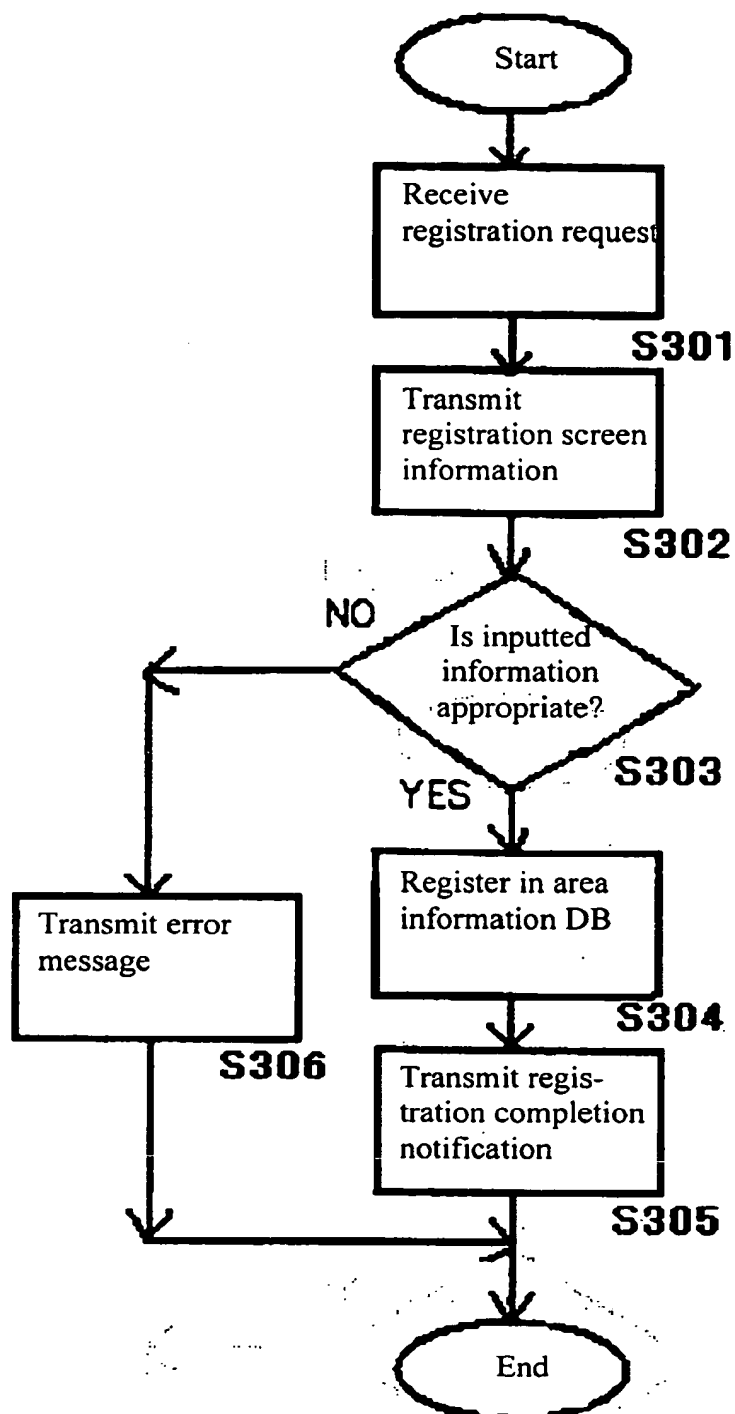




Fig. 4

Area information registration screen	
Location information	Latitude: N35°00'00"
	Longitude: E135°00'00"
Registration information (for the case of a store)	
Store name:	Restaurant X
Business hours:	11:00 – 25:00
Regular holidays:	Every Thursday
Car parking:	20 cars
Bicycle parking:	None
Description text:	An elegant restaurant serving an assortment of Japanese, Western and Chinese cuisine. Its specialty is the chef's pride — escargot. The prices are reasonable, too.
Directions text (by car/motorcycle):	Just off National Road No. 2; turn right at the Yamada intersection
Directions text (walking):	Just to the left of the Yamada exit from the Station-front underground market
Directions text (by bus):	Just to the right of the Tanaka liquor store ahead of the Yamada stop
	Confirm Clear

Fig. 5

Latitude		Registered information (restaurant information)						Directions text
		Longi-tude	Store name	Business hours	Regular holidays	Car parking	Bicycle parking	Description text
N34° 77'00"	E134° 62'00"		Restaurant X	11:00–25:00	Every Thursday	20 cars	None	Elegant restaurant serving an assortment of Japanese, Western and Chinese Cuisine...
N34° 75'00"	E134° 61'00"		Restaurant Y	10:00–23:00	Every Friday	None	5 bicycles	The specialty is sea bream caught in Akashi...
N34° 73'23"	E134° 63'20"		Restaurant Z	15:00–26:00	First Thursday	10 cars	10 bicycles	The restaurant's specialty is fish dishes. By all means try...
N34° 75'00"	E134° 93'00"		Restaurant A	11:00–22:00	Every Friday	70 cars	10 bicycles	Also has fresh sushi.
N34° 70'23"	E134° 81'20"		Restaurant B	16:00–27:00	No holidays	10 cars	None	The chef was featured in a TV program.
.	.	.	.	.	.	.	.	.
Latitude		Registered information (tourist spot information)						Directions text
		Longi-tude	Spot name	Business hours	Regular holidays	Car parking	Bicycle parking	Description text
N34° 67'32"	E134° 63'00"		Himeji Castle	10:00–19:00	Every Monday	50 cars	100 bicycles	A castle of national renown.
.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.

Fig. 6

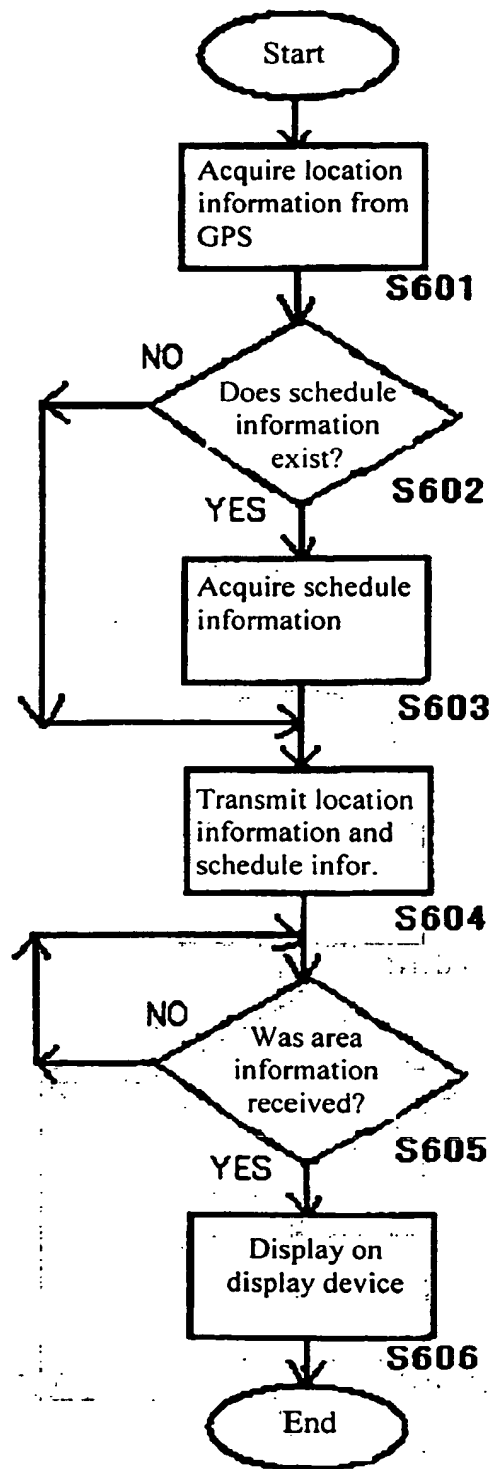




Fig. 7

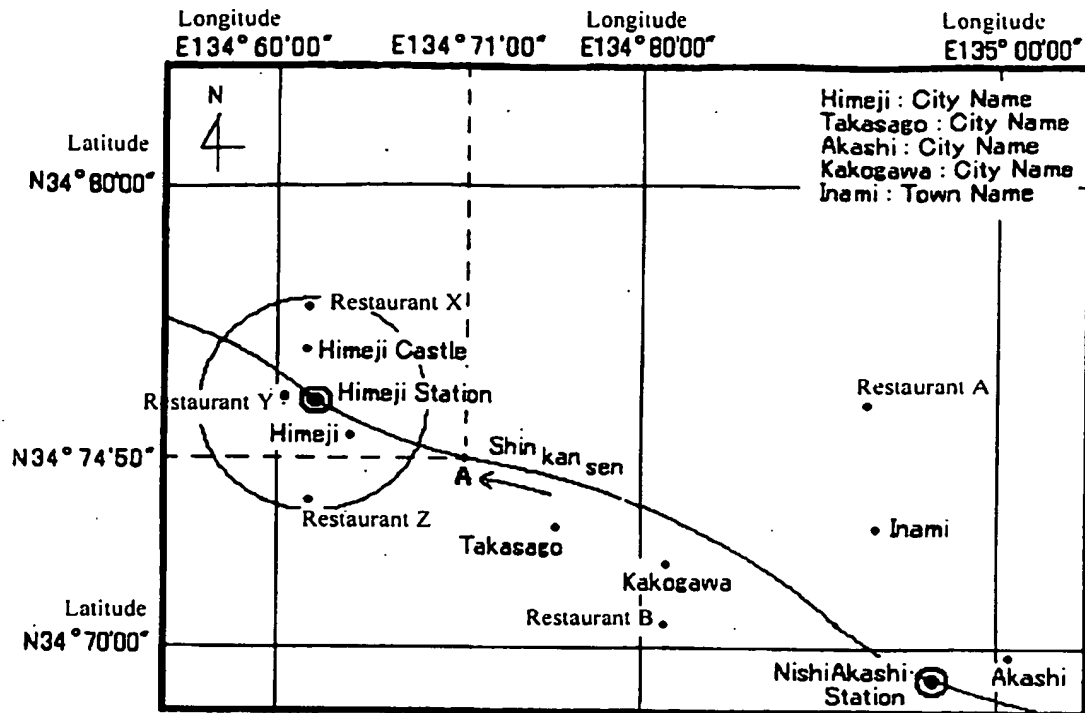


Fig. 8

Time	Place	Content	Remarks
10:00			
10:20	Kyoto		
10:40			
11:00	In transit		
11:20			
11:40	Himeji		
12:00			
12:20	Nearby restaurant	Lunch	
12:40			
13:00	Transit Himeji Hall		
		Listen to lecture	Lecture by Mr. _____ of University

Fig. 9

Area information for the vicinity of Himeji Station (within 1 km)

1. Restaurant Y
Business hours: 10:00-23:00
Directions: Just left on Station-front road.
Alongside Yamada Police Station.
Description: The specialty is sea bream caught in Akashi. Prices are reasonable, too.
2. ....

Stores which have a regular holiday today or which are currently outside business hours have not been displayed.

Figure 9

Fig. 10

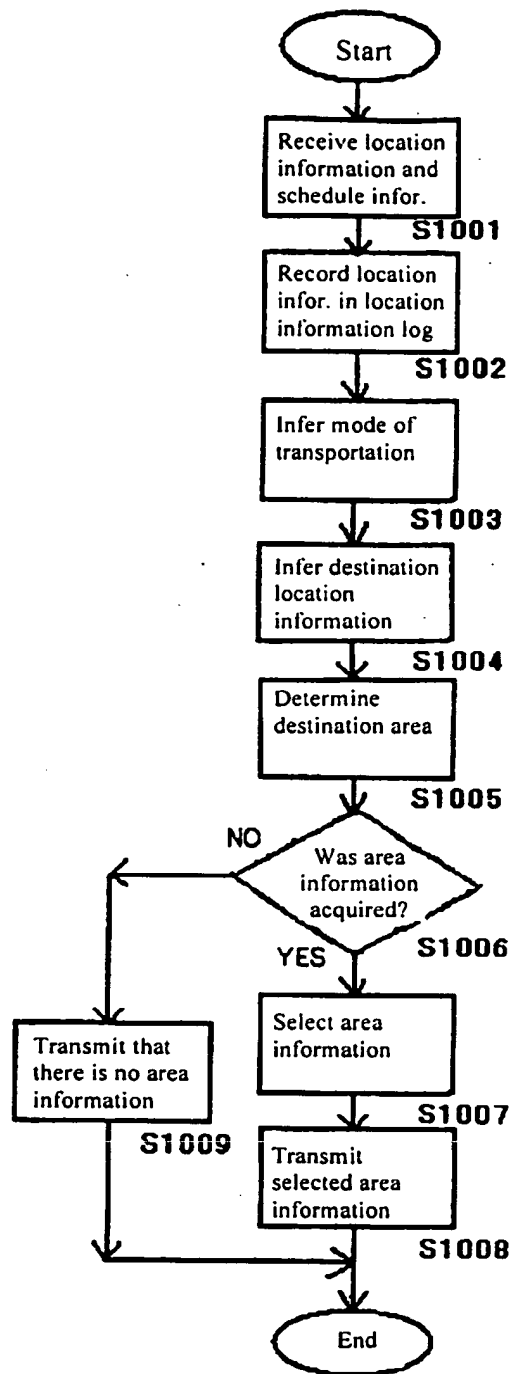


Fig. 11

Acquisition date	Acquisition time	Latitude	Longitude	Estimated travel speed	Travel direction
10 February 2003	10:40:20	N34°82'22"	E135°63'89"	210 km/h	Southwest
10 February 2003	10:50:20	N34°78'12"	E135°48'23"	207 km/h	South-southwest
10 February 2003	11:00:20	Acquisition failed	Acquisition failed	---	---
10 February 2003	11:10:19	N34°70'89"	E134°93'78"	185 km/h	West
10 February 2003	11:20:20	N34°74'50"	E134°71'00"	179 km/h	West-southwest
.	.	.	.	.	.
.	.	.	.	.	.
.	.	.	.	.	.

Fig. 12

Location information	Travel speed (km/h)	Inferred mode of transportation
On expressway	---	Car, bus, motorcycle
On road other than expressway	151 or more	Car
	41-150	Car, bus, motorcycle
	11-40	Car, bus, motorcycle, bicycle
	0-10	Car, bus, motorcycle, bicycle, walking
On rail line	151 or more	Shinkansen
	0-150	Electric train
At sea	Less than 100	Ship
---	400 or more	Airplane
In facility	---	Walking
Seashore/mountain path	---	Walking



Fig. 13

Station name	...	Hikari 9876	Kodama5432	Nozomi1098	Hikari1234	...
.	...	.	.	.	.	...
.	...	.	.	.	.	...
Kyoto	...	8:20	9:00	10:23	10:10	...
ShinOosaka	...	8:40	9:23	10:39	10:30	...
ShinKobe	...	8:55	9:40	--	10:45	...
NishiAkashi	...	--	9:58	--	--	...
Himeji	.	9:25	10:18	11:18	11:12	.
Aioi	.	9:40	10:37	--	11:27	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

Fig. 14

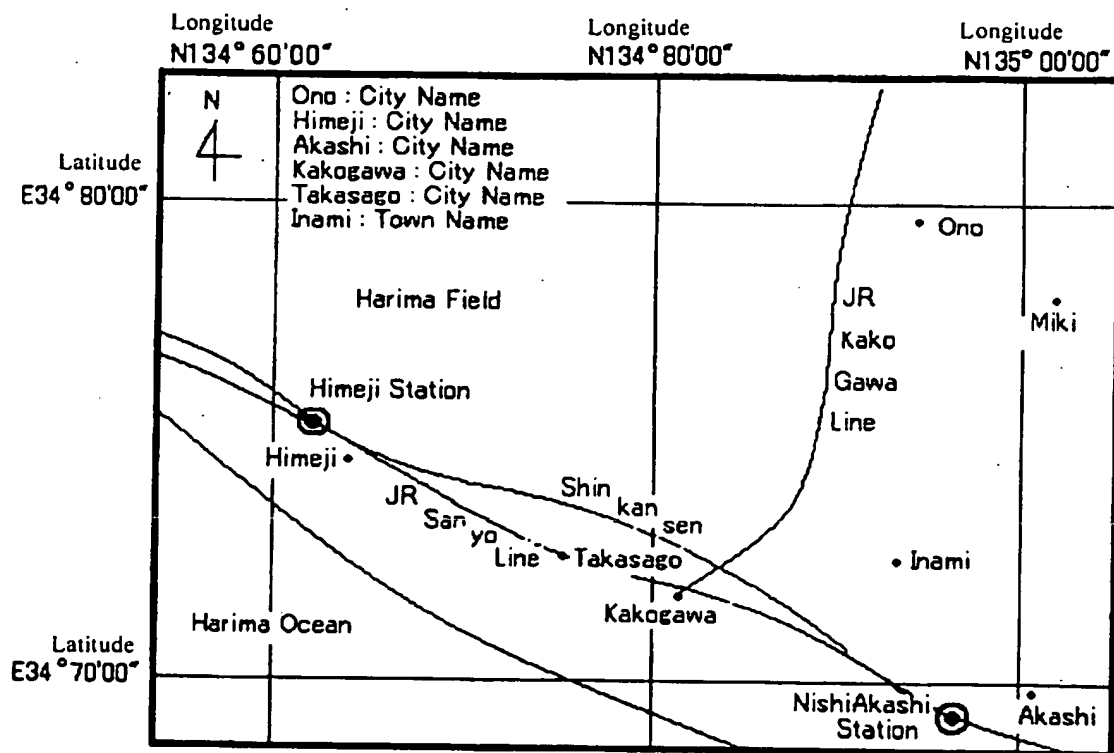


Fig. 15

Area setting: Within a 10 kilometer radius around the set point

Fig. 16

Current mode of transportation	Specific location information	Travelable distance
Car (expressway)	Next interchange	Within 5 km
Car (regular road)	10 km ahead in direction of travel	Within 5 km
Motorcycle (regular road)	10 km ahead in direction of travel	Within 5 km
Walking	Current location	Within 1 km
Electric train	Next stop	Within 1 km
Shinkansen	Next stop	Within 1 km
Ship	Next anchorage	Within 1 km
Airplane	Airport of next landing	Within 1 km
Bus	Next stop	Within 1 km
Bicycle	Current location	Within 2 km

[illegible]

Fig. 18

